

Datasheet for ABIN6952743
ACE2 Protein (AA 18-740) (His-Avi Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	ACE2
Protein Characteristics:	AA 18-740
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ACE2 protein is labelled with His-Avi Tag.
Application:	SDS-PAGE (SDS), Functional Studies (Func)

Product Details

Sequence:	QSTIEEQAKT FLDKFNHEAE DLFYQSSLAS WNYNTNITEE NVQNMNNAGD KWSAFLKEQS TLAQMYPLQE IQNLTVKLQL QALQQNGSSV LSEDKSKRLN TILNTMSTIY STGKVCNPDN PQECLLLEPG LNEIMANSLD YNERLWAWES WRSEVGKQLR PLYEEYVVLK NEMARANHYE DYGDYWRGDY EVNGVDGYDY SRGQLIEDVE HTFEEIKPLY EHLHAYVRAK LMNAYPSYIS PIGCLPAHLL GDMWGRFWTN LYSLTVPFGQ KPNIDVTDAM VDQAWDAQRI FKEAEKFFVS VGLPNMTQGF WENSMLTDPG NVQKAVCHPT AWDLGKGDFR ILMCTKVTMD DFLTAHHEMG HIQYDMAYAA QPFLLRNGAN EGFHEAVGEI MSLSAATPKH LKSIGLLSPD FQEDNETEIN FLLKQALTIV GTLPFTYMLE KWRWMVFKGE IPKDQWMKKW WEMKREIVGV VEPVPHDETY CDPASLFHVS NDYSFIRYYT RTLYQFQFQE ALCQAAKHEG PLHKCDISNS TEAGQKLFNM LRLGKSEPWT LALENVVGAK NMNVRPLNY FEPLFTWLKD QNKNSFVGWS TDWSPYADQS IKVRISLKSA LGDKAYEWN NEMYLFRSSV AYAMRQYFLK VKNQMILFGE EDVRVANLKP
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Product Details

	RISFNFFVTA PKNVSDIIPR TEVEKAIRMS RSRINDAFRL NDNSLEFLGI QPTLGPPNPQ PVS
Specificity:	Gln18-Ser740
Characteristics:	Recombinant Human ACE2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln18-Ser740) of human ACE2 (Accession #Q9BYF1) fused with a 6xHis,Avi tag at the C-terminus.
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human ACE2 at 2 µg/mL (100µL/well) can bind SARS-CoV-2 Spike RBD with a linear range of 0.03-4.9 ng/mL.

Target Details

Target:	ACE2
Alternative Name:	ACE2 (ACE2 Products)
Background:	ACE2, ACEH, angiotensin-converting enzyme 2,ACEH
Gene ID:	59272
UniProt:	Q9BYF1
Pathways:	ACE Inhibitor Pathway , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour

Application Details

Restrictions:	For Research Use only
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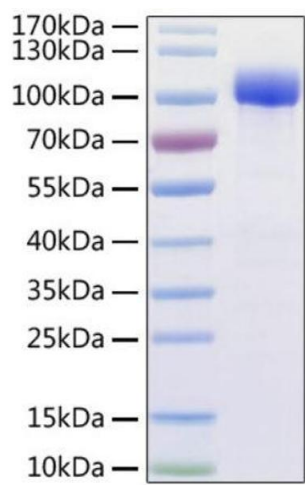
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. or Supplied as a 0.22 µm filtered

Handling

	solution in PBS, pH 7.4.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term.After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. For This product is stable at ≤ -70°C for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Images



SDS-PAGE

Image 1. Recombinant Human ACE2 Protein with His and Avi tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 95-110 kDa.